

Key Site

# MIAMI SERVICE VOLUME



# ADS-B

AUTOMATIC DEPENDENT SURVEILLANCE - BROADCAST



# Miami Service Volume

<b>Infrastructure</b> <ul style="list-style-type: none"><li>11 ADS-B radio stations: Lakeland Linder Regional Airport, Hardee, Okeechobee, Dade-Collier Airport, Key West, St. Cloud, Sebastian Municipal Airport, Hobe Sound, Boca Raton Airport, Homestead Dade Marina, and Florida Keys Marathon Airport</li></ul>	<b>Service Volumes – En Route</b> <ul style="list-style-type: none"><li>Miami en route airspace<ul style="list-style-type: none"><li>Floor of existing radar coverage and minimum en route altitude</li><li>Ceiling of 60,000 ft. (requirement under review for FIS-B)</li></ul></li></ul>
<b>Services</b> <ul style="list-style-type: none"><li>Traffic Information Broadcast Services (TIS-B)</li><li>Flight Information Broadcast Services (FIS-B)</li></ul> <b>Applications</b> <ul style="list-style-type: none"><li>Enhanced visual acquisition</li><li>Weather and NAS situational awareness</li></ul>	<b>Service Delivery</b> <ul style="list-style-type: none"><li>Delivery of TIS-B and FIS-B to aircraft equipped with ADS-B avionics and a multi-function display</li><li>Aircraft receiving TIS-B must be equipped with ADS-B 'Out' and 'In'; FIS-B requires ADS-B 'In'</li><li>Surveillance and Broadcast Services monitor receives service status reports and equipment status reports, as well as ADS-B, TIS-B and FIS-B data</li><li>FAA monitoring at the William J. Hughes Technical Center and the Aeronautical Center.</li></ul>
<b>Free FIS-B Products</b> <ul style="list-style-type: none"><li>AIRMET: Airmen's Meteorological Information</li><li>Convective SIGMET: Convective Significant Meteorological Information</li><li>SIGMET: Significant Meteorological Information</li><li>METAR: Aviation Routine Weather Report</li><li>SPECI: Special METAR</li><li>National NEXRAD: Continental U.S. Next Generation Radar</li><li>Regional NEXRAD: Regional Next Generation Radar</li><li>D-NOTAM: Distant Notice to Airmen</li><li>FDC-NOTAM: Flight Data Center Notice to Airmen</li><li>PIREP: Pilot Reports</li><li>SUA: Status of Special Use Airspace</li><li>TAF: Terminal Aeronautical Forecast</li><li>AMEND: Amended TAF</li><li>Winds &amp; Temperature Aloft: computer prepared forecasts of winds and temperature aloft</li><li>TIS-B Service Status: Provides periodic status of TIS-B services via FIS-B Universal Access Transceiver</li></ul>	<b>Benefits</b> <ul style="list-style-type: none"><li>FIS-B / TIS-B<ul style="list-style-type: none"><li>Reduce risk of midair collisions</li><li>Reduce risk of weather-related accidents</li><li>More efficient routes in adverse weather</li><li>Improved situational awareness</li></ul></li></ul>
<b>Schedule</b> <ul style="list-style-type: none"><li>Initial Operating Capability (IOC) – Completed November 2008</li></ul>	02.05.2010.rev2

